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June Monthly Clay Hollow Cleanup Update

1 message

Div. of Oil, Gas & Mining

Lindsay, Thiess (RTKC) <Thiess.Lindsay@riotinto.com>

Tue, Jun 16, 2015 at 9:00 AM

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Mr. Baker

Attached is the monthly update report and inspection sheets for the Clay Hollow (5/15 – 6/15). Changes from last month include:

- 1) The Clay Hollow Investigation Report was submitted with the requested revisions and answers to the agencies questions
- 2) The Clay Hollow Post Removal Report has been revised, according to the agencies comments, and answers drafted to the agencies questions. Currently the revisions are under review and will be submitted shortly.

Attached you will find the Clay Hollow Cleanup tracking sheet and the daily inspection log.

If you have any questions, please let me know. Thanks

Thiess Lindsay

Principal Advisor - Closure

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**Barneys Tracking and Inspections - June.pdf**

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Table 1 Cleanup Response Activities

ID	Work Area	Activity	Planned Target		Status	Comments
			Start	Finish		
1A	Segment 1	Additional sampling on the West Jordan property	4/1/2014	5/16/2014	Complete	The distribution of mine waste sediment shall be based on visual observation, XRF analysis of soils for arsenic and lead, and laboratory analysis on select confirmation samples for arsenic and lead.
1B	Segment 1	Draft a Characterization/Removal work plan	4/1/2014	4/17/2014	Complete	Plan provided as dictated in the DOGM Division Directive
1C	Segment 1	Site visit with DWQ, DOGM and DERR	4/9/2014			Allow regulators an opportunity to see the site in person and ask questions.
1D	Segment 1	Regulatory review of Cleanup Plan - Segment 1	4/18/2014	4/30/2014	Complete	Submission of joint review between the three agencies
1E	Segment 1	Obtain comments from DOGM, DWQ and DERR	4/22/2014	4/30/2014	Complete	Obtain comments from the agencies on Cleanup plan
1F	Segment 1	Revise work plan and address Agencies comments	4/22/2014	5/14/2014	Complete	Resubmittal for joint review between the three agencies
1G	Segment 1	Obtain Regulatory approval of Cleanup Plan - Segment 1	4/21/2014	7/3/2014	Complete	Regulatory approval of recommended action levels for arsenic, excavation and removal of material, transportation of material, final deposition of removed material, and restoration of the drainage.
2A	Segment 1	Increase desilting capacity at the Kennecott property line	7/7/2014	7/8/2014	Complete	Initial step is to prevent additional mine waste sediment from migrating off Rio Tinto property.
2B	Segment 1	Remove sediments from - Segment 1	7/9/2014	7/15/2014	Complete	The removal of mine waste sediment will commence just downstream of the desilting basins that are to be constructed. From this point the removal will continue downstream to the property line, thus preventing further migration of mine waste sediment off of Rio Tinto property.
1F	Segments 2-4	Submission of Cleanup plan for - Segments 2 - 4	7/18/2014	11/20/2014	Complete	Plan provided as dictated in the DOGM Division Directive.
2C	Segment 1	Reconstruct riprapped channel in - Segment 1	9/15/2014	9/23/2014	Complete	Replacement of Riprap material will be further protect the stream bottom from erosion and restore the site to its previous condition.
1G	Segments 2-4	Obtain Regulatory approval of work plan	12/19/2014	12/19/2014	Complete	Regulatory approval of recommended action levels for arsenic, excavation and removal of material, transportation of material, final deposition of removed material, and restoration of the drainage.
2D	Segment 1	Reseed impacted areas in - Segment 1	9/23/2014	9/23/2014	Complete	Revegetating immediately downstream of the desilting basins will minimize offsite migration of fines during a storm event.
3A	Segments 2-4	Remove sediments from - Segments 2-4	7/21/2014	9/11/2014	Complete	Removal of sediments found upstream of the desilting basins will minimize the loading and the maintenance of the basins.
3B	Segments 2-4	Reconstruct drainage channel - Segments 2-4	7/28/2014	11/26/2014	Complete	Regrading of the disturbed area will allow for natural water flow and will be done concurrent with removal.
3C	Segments 2-4	Reseed impacted areas in - Segments 2-4	11/18/2014	11/26/2014	Complete	Revegetation of the drainage found upstream of the desilting basins will minimize the loading and the maintenance of the basins.
4A	Segments 1-4	Submit post removal report	11/27/2014	2/6/2015	Complete	Detailed report giving removal quantities as well as the test results of the cleaned surface. - This work is in process and progressing on time.
4B	Segments 1-4	Obtain Regulatory approval of post removal report	2/6/2015		In Process	Regulatory approval of the post removal report
4C	Segments 1-4	Inspect leach pads and stormwater controls daily until permanent controls are installed	4/1/2014		In Process	Includes daily inspection of all five leach pads and the associated stormwater controls until approval is obtained to decrease the frequency

Projected dates

* Monthly project updates will be provided on the 15th of each month, until the cleanup is complete. If Barneys deviates from the attached schedule, Barneys and Agencies will discuss any needed action at the agencies request.

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Barneys Canyon Heap Pad and Drainage Inspection

Month:

May 2015

Date	BC1	BC2	BC3	BC4	BC5	North Perimeter	South Perimeter	East/B&G Perimeter	Inspector	Comments/Corrective Actions
1	✓	✓	✓	✓	✓	✓	✓	✓	JH	Roads dry, good condition
2	-	-	-	-	-	-	-	-	TN	Weekend, no inspection
3	-	-	-	-	-	-	-	-	TN	Weekend, no inspection
4	✓	✓	✓	✓	✓	✓	✓	✓	TN	Site in good condition.
5	✓	✓	✓	✓	✓	✓	✓	✓	TN	Rain, site in good conditions
6	✓	✓	✓	✓	✓	✓	✓	✓	TN	Rain, site in good condition
7	✓	✓	✓	✓	✓	✓	✓	✓	TN	heavy rains last night. site in good condition
8	✓	✓	✓	✓	✓	✓	✓	✓	TN	Rains today. wet. And in good condition
9	-	-	-	-	-	-	-	-	TN	Weekend - No inspection
10	-	-	-	-	-	-	-	-	TN	Weekend - No inspection
11	✓	✓	✓	✓	✓	✓	✓	✓	TN	Site is drying out.
12	✓	✓	✓	✓	✓	✓	✓	✓	TN	Site in good condition
13	✓	✓	✓	✓	✓	✓	✓	✓	TN	Site in good condition
14	✓	✓	✓	✓	✓	✓	✓	✓	TN	Site in good condition
15	✓	✓	✓	✓	✓	✓	✓	✓	TN	Light Rain. Site in good condition
16	-	-	-	-	-	-	-	-	TN	Weekend - No inspection
17	-	-	-	-	-	-	-	-	TN	Weekend - No inspection
18	✓	✓	✓	✓	✓	✓	✓	✓	TN	Occ. Rain. Site remains stable
19	✓	✓	✓	✓	✓	✓	✓	✓	TN	Rain continues, site remains stable
20	✓	✓	✓	✓	✓	✓	✓	✓	TN	Rain continues, site is stable
21	✓	✓	✓	✓	✓	✓	✓	✓	TN	Site in good condition
22	✓	✓	✓	✓	✓	✓	✓	✓	TN	Site in good condition.
23	-	-	-	-	-	-	-	-	-	Weekend
24	-	-	-	-	-	-	-	-	-	Weekend
25	-	-	-	-	-	-	-	-	-	Holiday
26	✓	✓	✓	✓	✓	✓	✓	✓	DJ	SITE IS STABLE
27	✓	✓	✓	✓	✓	✓	✓	✓	DJ	GOOD CONDITION
28	✓	✓	✓	✓	✓	✓	✓	✓	DJ	STABLE NO NEW PROBLEMS
29	✓	✓	✓	✓	✓	✓	✓	✓	JH	Mostly dry, good condition
30	✓	✓	✓	✓	✓	✓	✓	✓	DJ	STABLE
31	✓	✓	✓	✓	✓	✓	✓	✓	DJ	STABLE

Heap Leach Pads (BC1 thru BC5):

- 1 No heap material or liquids flowing off the lined pad
- 2 Heap material flowing off the lined pad
- 3 Liquids flowing off the lined pad

Perimeter Drainage:

- 1 Perimeter drainage in good order and containment of storm water behind permitted dams
- 2 Uncontained perimeter drainage
- 3 Moderate to significant erosion to perimeters

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Barneys Canyon Heap Pad and Drainage Inspection

Month: JUNE 2015

Date	BC1	BC2	BC3	BC4	BC5	North Perimeter	South Perimeter	East/B&G Perimeter	Inspector	Comments/Corrective Actions
1	/	/	/	/	/	/	/	/	DJ	SITE STABLE
2	/	/	/	/	/	/	/	/	DJ	" "
3	/	/	/	/	/	/	/	/	TMN	site stable
4	/	/	/	/	/	/	/	/	DJ	SITE STABLE
5	/	/	/	/	/	/	/	/	DJ	STABLE
6	/	/	/	/	/	/	/	/	DJ	STABLE
7	/	/	/	/	/	/	/	/	DJ	STABLE MUDDY
8	/	/	/	/	/	/	/	/	DJ	STABLE
9	/	/	/	/	/	/	/	/	DJ	STABLE
10	/	/	/	/	/	/	/	/	DJ	STABLE
11	/	/	/	/	/	/	/	/	DJ	STABLE
12	/	/	/	/	/	/	/	/	DJ	STABLE
13										
14	/	/	/	/	/	/	/	/	DJ	STABLE
15	/	/	/	/	/	/	/	/	DJ	STABLE
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